

Ukrainskiy Fizicheskiy Zhurnal, Vol 16, No 1 ,
1971.

Full tr *NTIS TT 72-52017/01
*AEC-tr-7297/1
UC-34

Available by Serials

Aug 72

Ukrainskiy Fizicheskiy Zhurnal, Vol 16, No 2, 1971.

Full tr by *NTIS TT 72-52017/02
*AEC-tr-7297/2
UC-34

Available by Serials

NASA TTF 14,087 pp 363-508 11 pp
Aug 72

Ukrainskiy Fizicheskiy Zhurnal, Vol 16, No 3, 1971.

Full tr *NTIS TT 72-52017/03
*AEC-tr-7297/3
UC-34

Available Ly Serials

NASA TTF 14, 159 yep 394-400 127p
Aug 72

The Possibility of Using Microwave
Ionization to Obtain Nonequilibrium
Plasma in MHD Generators, by

A. Ya. Usikov.

RUSSIAN, per, Ukrainskii Fizychnyi
Zhurnal, Vol 16, No 5, 1971, pp 705-710

NTC 72-11797-201

NASA-TT-F 13783

June 72

✓
Temperature Relaxation of a Highly Rarified Gas, by
V. V. Andreyev, 20 pp.
RUSSIAN, per, Ukr Fiz Zh (Kiev), Vol 16, No 5,
May 1971, pp 721-733.
NASA TT F 13784

Nov 71

AFC (CTO-808) 5CONTAINMENT OF AN OHMIC-HEATING
PLASMA IN THE URAGAN HIGH-SHEAR STELLARATOR. 6Vish-
novetski, V. N.; Volkov, E. D.; Dikli, A. G.; Zalkind, V. M.; (and
others). 10Translated by C. R. Brightmore for Culham Lab.,
Abingdon, Eng., from 15Ukr. Fiz. Zh. (Russ. Ed.); 16: No. 5, 751-6
(1971). 209p. 24Dep. NTIS (U. S. Sales Only).

26fusion devices (thermonuclear); translations 2718A

28MN-20 29NP NSA

Anisotropic Redistribution of Current Carriers
Near the Changed Surface of a Semi Conduction,
by Z/ S. Gribnikor, 17 pp.
RUSSIAN, per. Ukrainskiy Fizicheskiy Zhurnal,
No 5, 1971 ,pp 773-782.
ACSI-K-2203
FSTC-HT-23-1635-72

June 72

Echo Effect in Relativistic Plasma, by
V. N. Pavlenko, 8 pp.
RUSSIAN, per, Ukr Fiz Zh. (kiev), Vol 16 No 5,
May 1971, pp 788-793.
NASA TT F-13785

NTC 72-11796-201

Nov 71

Doc. (CTO-799) NEUTRALIZATION OF ION BEAM SPACE
CHARGE BY INJECTED ELECTRONS. Gabovich, M. D.; Solo-
shenko, I. A.; Oycharenko, A. D. ¹⁰Translated by A. G. Cheney for
Culham Lab., Abingdon, Eng., from ¹⁸Ukr. Fiz. Zh. (Russ. Ed.); 16:
No. 5, 813-22 (1971). ²⁰6p. ²⁴Dep. NTIS (U. S. Sales Only).

²⁶physics; translations ²⁷20

²⁸MN-34 ²⁹NP NSA

HC 0- (UCRL-Trans-10582) ROTATION BANDS BUILT ON
OCTUPOLE VIBRATIONS. ⁶Dzyublik, A. Ya. ¹⁰Translated for
Univ. of California, Lawrence Livermore Lab., Livermore, from
¹⁵Ukr. Fiz. Zh. (Russ. Ed.); 16: No. 6, 894-9 (1971). ¹⁷10p. ²⁴Dep.
NTIS.

²⁸physics (nuclear); translations ²⁷20H

²⁸MN-34 ²⁹P NSA

V. P. Demutskiy

On ionization-recombination oscillations.

5 pp.

RUSSIAN, Ukr. Fiz. Zh. (Kiev), Vol 16, No 9,
1971, pp ~~1544~~ 1554-1556

NASA TT F 14,339

oct 72

Second Harmonic Generation of a Neodymium Laser
by Crystalline Powders of Organic Compounds, by
Ye. A. Tikhonov, 17 pp.
RUSSIAN, per, Ukr. Fiz Zh. No 2, 1972, pp 190-201.
X-7644

L. I. Romanyuk

*Low-frequency oscillation in the Penning discharge plasma
under conditions of cyclotron ion source*

*RUSSIAN, Ukrainskiy Fizicheskiy Zhurnal, Vol 17, No 5,
1972, pp 818-824*

**NASA TT F 14, 649*

jan 73

Historical Science and Sociological Research,
by A. M. Gayevs'kyi and G. M. Shevchuk, 20 pp.
UKRAINIAN, per, Ukrayins'kyi Istorychnyy
Zhurnal, No 6, 1966, pp. 27-39.
JPRS 37591

USSR
Soc
Oct 66

312,382

Need for Workers General Education Stressed, by
N. P. Mishchenko, 9 pp.
UKRAINIAN, per. Ukrayinskyi Istorychnyy Zhurnal.
Kiev, No 11, 1969, pp 37-41.
JPRS 49956

USSR
Educ
Mar 70

403,560

Ukrainian-Czech Educational Ties Traced,
by V. U. Pavelko, 12 pp.
UKRAINIAN, per. Ukrayins'kyi Istorichnyi
Zhurnal, Kiev, No 11, 1969, pp 73-80.
JPRS 50000

USSR
Educ
Mar 70

402,292

Objectivity of Bourgeois Intellectuals Questioned,
by A. P. KILMER, 16 pp.

UKRAINIAN, for, Ukrainskyi Ishchynnyk
Zhurnal, Kiev, No 1, 1970, pp 31-40.
JPRS 19909

USSR
Pol
Mar 70

402,394

Efforts to Strengthen Labor Discipline in Ukraine.
by V. K. Vasilenko, 8 pp.
UKRAINIAN, por. Ukrainskiy Istoricheskii Zhurnal,
Kiev, No 2, Feb 1971, pp 10-16.
JPRS 53604

July 71

Ukraine Observes Paris Commune Centennial, by
V. P. Ivanenko, V. F. Sharapa, 5 pp.
UKRAINIAN, par. Ukrainskiy Istoricheskii Zhurnal,
 Kiev, No 3, Mar 1971, pp 37-39.
JPRS 53190

May 71

75th Birthday of P. P. Lyubchenko Celebrated,
by V. M. Nem'yatyy, 5 pp.
UKRAINIAN, per, Ukrainskyy Istorychnyy Zhurnal.
Kiev, No 1, 1972, pp 123-125.
JPRS 56578

July 72

Mechanism in the Formation of a Phenazine Ring
by the Alkaline Condensation of Aromatic Nitro
Compounds with Aromatic Amines, by S. B. Sere-
bryanyi.

RUSSIAN, per, Ukrain. Khim. Zhur., Vol 21, 1965,
pp 350-360.
NLL RTS 3351

Sci-Chem
Nov 67

345,328

Effect of Steam on Olefin Oxidations Over
a Copper Catalyst, by E.N. Popova, Ya. Ba.
Gorokhovatskii.

RUSSIAN, per Ukr. Khim. Zh. Vol. 31, No. 1
1965, pp 45-48

GB 28

ATS RJ-4784

Sci -
Aug 67

338-409

Electronic Structure and Properties of Hydrides
of Transition Metals, by G. V. Samsonov.
RUSSIAN, per, Ukrainskii Khimichnyi Zhurnal,
Vol 31, 1965, pp 433-439.
NTC-71-12498-07D

A&C - SC - 7 - 68 - 748 9230451

Nov 71

Electron Spectra and the Structure
of Symmetrical Organic Compounds. Part
III. Substitution in the Chromophore
of Symmetrical Polymethine Dyes, by
G. G. Dyadyusha.

UKRAINIAN, per, Ukrainskii Khimicheskii
Zhurnal, Vol 31, No 11, 1965, pp. 1171-
7.

NTC 69-11611-07D

NLL Ref: 5828.4F (12916)

CIA X-6598

Sci-Chem
July 69

386,637

UKRAINSKIY KHIMICHESKIY ZHURNAL
(Soviet Progress in Chemistry - monthly)
Translation begins with 1966,
Vol. 32, No. 1
Order from: The Faraday Press, Inc.
84 Fifth Avenue
New York, N.Y. 10011
1971: \$ 150.00/year USA and Canada
\$ 155.00/year elsewhere
\$ 25.00 single issues
Price of back volumes: \$ 150.00/year

Russ

Preparation and Some Properties of Rare Earth
Phosphides, by G. V. Samsonov, L. L. Veroykina.
RUSSIAN, per, Ukr Khim Zh, Vol 32, 1966,
pp 115-118.
AEC UCRL-Trans-10222

Sci-Chem
July 68

357,422

Chemical Properties of Germanides
of Lanthnum, by M. D. Lyutaya,
A. B. Goncharuk, 6 pp.
RUSSIAN, per, Ukrainskiy Khimicheskiy
Zhurnal, Vol 32, No 5, 1966,
pp 433-436
P100201568-V
FTD-HT-67-406

Sci/Chemistry
Sep 68

364,187

On the Effect of Chromium on the
Kinetics of the Oxidation of Niobium,
by R. F. Voytovich, 6 pp.
RUSSIAN, per, Ukrainskiy
Khimicheskiy Zhurnal, Vol 32, No 5,
1966, pp 445-448
P100201568-V
FTD-HT-67-406

Sci/Materials
Sep 68

364,188

Phase Diagrams of Systems of Hydrogen with
Titanium, Zirconium, Vanadium and Niobium,
by G. V. Samsonov and M. M. Antonova, 10 pp.
RUSSIAN, per, Ukrainskiy Khimicheskiy
Zhurnal, Vol 32, No 6, 1966, pp 555-559.
FI00017668
FTD-HT-23-925-67

Sci-Chemistry
Feb 68

350,611

The Effectiveness of Certain Inhibitors Used
in the Sulphuric Pickling of Mild Steel,
by A. S. Afanas'ev.

RUSSIAN, per, Ukrain. Khim. Zhur, Vol 32,
No 7, 1966, pp 766-769.

BIBI 5253

319,905

Sci - Materials
Mar 67

Preparation and Properties of Tantalum Disulfide, by V. F. Bukhanovich and S. V. Radzikov
4 pp.

RUSSIAN, per, Ukrainskiy Khimicheskiy Zhurnal,
Vol 32, No 9, 1966, pp 926-929.
AIR/FTD/HT-23-1120-67

Sci-Materials
Nov 68

366,292

Hydrogen Bond and Frequencies of Valence
Oscillations of N - H NO₂-Groups of Nitro-
anilines, by A. Ye. Lutskiy, P.A. Chernyavskiy.
7 pp.

RUSSIAN, per, Ukrainskiy Khimicheskiy Zhurnal,
Vol 32, No 12, 1966, pp 1317-1320.

AIR/FPD/MT-24-340-68

sci.chemistry
may 69

381,230

Absorption of Nitrogen Oxides by Concentrated
Nitric Acid at Subzero Temperatures, by
V. M. Kaut.

RUSSIAN, per, Ukrainskii Khimicheskii Zhurnal, Vol 33,
1967, pp 110-114.

ATS 11Z128R - \$8.35.

NTC 72-60756-07D

Jan 73

The Composition of the Electrolytic Deposit of
Black Chromium, by D. P. Zosimovich.

RUSSIAN, per. Ukrainskiy Khimicheskii Zhurnal,

Vol 33, No 2, 1967, pp 200-201.

FTD-HT-23-620-68 AD-694 785

Sci-Chem

Aug 68

Polarograms of Alkali Metal Nitrite Melts, by
O. N. Razumovskaya, P. I. Protsenko.
UKRAINIAN, per, Ukr Khim Zh, Vol 33, 1967,
pp 261-264.
AEC-AI-Trans-254

Sci-Chem
Jan 68

348,736

Certain Organic Corrosion Inhibitors for
Titanium in Sulfuric Acid. II, by
A. P. Brynza, V. T. Sotnikova, et al. 5 pp.
RUSSIAN, per, Ukrainskiy Khimicheskii Zhurnal,
Vol 33, No 8, 1967, pp 843-846.
AIR/ETD/AIR-23-977-68

sci/ materials
sept 69

391,037

Determination of Micro Amounts of Phosphate
by Extraction and Photometry Using
Triphenylmethane Dyes.

by Babko, A.K.

RUSSIAN, par, Ukrainskii Khimicheskii
Zhurnal, Vol 33, 1967, no 9

pp 951-6.

ETC-69-36783

NRCC C-8301

Mar 70

404,701

Zinc compounds, by G. H. Lyall, et al.
UKRAINIAN, per, Ukr. Khim. Khim. Vol 33, No 10,
1967, pp 987-991
EZ

sci/ chem
auj 69

389,670

The Development of the Chemical Industry in the
Ukraine, by G. I. Vilesov. 10 pp.
RUSSIAN, per, Ukrainskiy Khimicheskiy Zhurnal,
Vol. 33, No 11, 1967, pp 1121-1126.
AIR/FTD/MT-23-908-68

sci/chemistry
dec 69

398,654

Reaction of Urea and Oxalic Acid in Aqueous
Solution, by I. L. Ababarchuk.

RUSSIAN, per, Ukrainskiy Khimicheskiy
Zhurnal, No 1, 1968, pp 12-13.

ACSI J-5109

FSTC HT-23-238-68

Sci/Chem
Sep 68

363,282

Equilibrium Distribution of Equivalent Ions on
Ion Exchangers, by Ya. M. Zagray, A.M. Kogunovskiy.
RUSSIAN, per, Ukrainskiy Khimicheskiy Zhurnal,
Vol 14, No 1, 1968, pp 30-36.
FTD-S-304 345-68

Feb 69

574,275

VINAROV, I.V. and others. Separation of zirconium and hafnium, and the preparation of hafnium dioxide by the method of selective extraction of the thiocyanate from ethyl acetate. Ukr.khim.Zh. 34:153-5 (1968) (AAEC LIB/TRANS 269)

Electrocrystallization of Aluminum from
Molten Chlorides, by V. V. Kuz'movich.
UKRAINIAN, per, Ukr Khim Zh, Vol 34,
No 4, 1968, pp 344-351.
NASA TT F-12,222

Sci-Mat
July 69

388,578

NADEZH DIN, D.S. and KURYACHENKO, G.A. Effect of
tannin on the electro-deposition of zinc.
Ukr. khim. Zh. 34(5):465-8 (1968) (GB 228/MT 1063)

Nitro and Dinitrotrifluoromethylsulfonyl Benzene
Derivatives, by B. F. Malichenko.
RUSSIAN, per, Ukrainskii Khimicheskii Zhurnal,
Vol 34, No 5, 1968, pp 486-489.
NTC-71-16139-07C

Jan 72

Studying the Reaction of Titanium Ions With
Phenanthroline by the Metal Indicator Method,
by M. I. Sitokalo. 6 pp.
UKRAINIAN, per, Ukrainskiy Khimicheskiy Zhurnal,
Vol 34, No 6, 1968, pp 630-634.
FTD S-749

355-69

july 69

387,339

BARANNIK, I. A. and others. Investigation of the cathodic
process of MgCl_2 containing TiCl_3 and TiCl_4 .
Ukr. khim. Zh. 34:789-94 (1968) (CRL/D. 852)

REQ TR CHECK

2-11-28

TW43

PHYSICAL CHEMICAL PROPERTIES OF PROPIONIC
ACID WATER AND VALERIC ACID WATER SYSTEMS

KOVALEVA A G

UR: UKR. KHIM. ZHURNAL, vol. 34, nr 9, 1968,
pp 871-876*In process as**MT - 24 - 72 - 0231 Negative
9/20/71*

A Decomposition of Ammonia on Iron-
Manganese Alloys, by Yu. N. Artyukh.
RUSSIAN, per, Ukrainskii Khimicheskii
Zhurnal, Vol 34, No 9, 1968, pp 974-976
NTC 72-11476-07B

June 72

Study of the Dihexyl Ester of Phenylsulfony-
lamidophosphoric acid as an Exgractant, by
F. D. Shevchenko, et al.
RUSSIAN, per, Ukrainskiy Khimicheskiy Zhurnal,
Vol 34, No 11, 1968, pp 117-1183.
FTD IIR Speical 512-69

oct 69

395,315

The Electrical Conductivity of Solutions of Sodium
Iodide in Aliphatic Alcohols, by A. M. Shkodin,
L. P. Sadovnichaya, 5 pp.
RUSSIAN, per, Ukrainskiy Khimicheskiy Zhurnal, Vol 35,
No 1, 1969, pp 144-147.
AIR/FTD/MT-24-1601-71

July 72

Dehydration Temperature of Polyethylene
Oxides of Different Degrees of Polymerization
in Aqueous Electrolyte Solutions, by
B. I. Dashevskaya.
RUSSIAN, per, Ukrainskii Khimicheskii Zhurnal,
Vol 35, No 4, 1969, pp 388-390.
ntc-70-12808-07C

Feb 72

Imida- and Thiacynines with Substituents in the
Benzene Rings Containing Fluorinated Groups on
Nitrogen Atoms, by M. I. Dronkina.
RUSSIAN, per, Ukrainskiy Khim Zhurnal, Vol 35,
No 5, 1969, pp 535-540.
FTD HT Special 212-70

Sci-Chem
Jul 70

Physico-Mechanical Properties of
Copper-Nickel Alloy Coatings,
Deposited From Ammonium Electrolytes,
by V. S. Galinker.
RUSSIAN, per, Ukrainskii Khimicheskii
Zhurnal, No 4, 1970, pp 360-362
NTC 72-12010-11F

June 72

Adsorption Properties and Preservation
Capacity of Zeolites During the Removal
of Cations, by V. G. Ilin.
RUSSIAN, per, Ukrainskii Khimicheskii
Zhurnal, Vol 36, 1970, pp 675-680
NTC 72-11383-07D

June 72

Electrodeposition of Copper-Nickel
Alloy From Pyrophosphate-Ammonium
Electrolyte, by V. S. Galinker.
RUSSIAN, per, Ukrainskii Khimicheskii
Zhurnal, Vol 36, 1970, pp 735-739
NTC 72-12006-11F

June 72

REQ TR CHECK

5-10-28

TT04

POLAROGRAPHIC STUDY OF SALICYLALDOXIMATES
AND THENOKSITRIFLUOROACETONATES OF METALS IN
NONAQUEOUS EXTRACTS
PYATITSKIY I V

UR: UKRAINSKIY KHEMICHESKY ZHURNAL
1970, vol 36, nr 11, pp 1154-1159

c/c Faraday Press

In process

MS-23-71-1981

28 Oct 71

REQ TR CHECK

16-03-49

TDC7

INTERACTION OF MONOETHANOLAMINE WITH A
SILICA SURFACE STUDIED BY AN IR SPECTROSCOPIC
METHOD

CHUYKO YE A

UR: UKR. KHIM. ZH. 1971, VOL 37, nr 1, pp 35-

40

*Process in as**WT 72-23-0829**Negative*22 MAR
1972

Estimate of the Influence of Various Gas Ejection
Sources on Pollution in the Atmosphere, by
I. Ya Sigal, 6 pp.
RUSSIAN, per, Ukr. Khim Zh, Vol 37, No 2, 1971,
pp 140-145.
X-7473

June 71

Characteristics of the Adsorption of Normal
Aliphatic Acids by Silica Gel, 9 pp.
RUSSIAN, per. Urainskiy Khemicheskiy Zhurnal,
Vol 37, No 4, 1971, pp 337-342.
ACSI-X-2547
FSTC-HT-23-1990-72
**FTD-HT-23-832-72*

June 72

Goncharov, A. I.

Evaluation of the Catalytic Activity of Sulfides
and Selenides of Transition Metals.
UKRAINSKII KHIMICHESKII ZHURNAL. Vol 37, pp 426-428,

1971
NTC-72-14881-07D

Feb 73

The Averaging Principle in Nonlinear
Mechanics as Applied to Countable Sys-
tems of Equations, by O. A. Zhautykov.
RUSSIAN, per, Ukrainskiy Mat zhurnal,
Vol 17, No 1, 1965, pp 39-46.
Dept of Navy APL/JHU CLB-3 T-583

Sci-Math
July 69

385,265

Plotting Quasi-Conformal Reflections
for Certain Gas Dynamics Problems, by
G. S. Lipovoy, 6 pp.
RUSSIAN, per, Ukrainskiy Matematicheskiy
Zhurnal, Vol 17, No 1, 1965, pp 112-117
P100205168-V
FTD-MT-67-1402

Sci/Physics
Sep 68

364,232

Uniqueness of the Solution of Cauchy's
Problem for Systems of Partial Differ-
ential Equations, by N. N. Chau.
RUSSIAN, per. Ukr Mat Zh, Vol 17, No 1,
1965, pp 126-130.
Dept of Navy APL/JHU T-2254

Sci-math
May 69

380,948

On the singularity of the solution of
Cauchy's Problem for a System for Partial
Differential Equations, by N. M. Chaus.
RUSSIAN, per, Ukrains Matemat Zhur, Vol XVII,
No 1, 1965, pp 161-166.
*Dept of Navy/APL No J-691

Sci - Math
Dec 65

On Sufficient Tests of Convergence of
the Method of Averaging Functional Cor-
rections, by Yu. D. Sokolov.
RUSSIAN, per, Ukrainskiy Mat Zhurnal,
Vol 17, No 3, 1965, pp 91-103.
Dept of Navy APL/JHU CLB-3 T-582

Sci-Math
July 69

385,264

A. V. Nesterchuk

On the Solution of Ordinary Linear Differential
Equations by Means of Numerical Integration
Operators.

RUSSIAN, per, Ukrainskii Matematicheskii Zhurnal,
Vol 17, No 4, 1965, pp 112-119

NTC 72-12886-12A

* DEPT OF NAVY JHU/APL CLB-3 T-642

sci-math
sept 72

M. L. Gorbachuk

On the Description of Extensions of a Positive-
Definite Operator Function.

RUSSIAN, per, Ukrainskii Matematicheskii Zhurnal,
Vol 17, No 5, 1965, pp 102-110.

NTC 72-13538-12A

* DEPT OF NAVY (RPL/JHU CLB-3 T-64)

Sci/math
Nov 72

297,

On the Stability of Solutions of Stochastic
Differential Equations, by I. Gikhman,
Ya. Dorogovtsev.

RUSSIAN, per, Ukrainskiy Matemat Zhur,
Vol XVII, No 6, 1965, pp 3-21.

Dept of Navy 5415/APL/JHU T-2008

Sci - Math Sci
Jul 67

326,171

On the Construction of Solutions of Linear
Differential Equations with Quasiperiodic
Coefficients Using the Method of Accelerated
Convergence, by Yu. A. Mitropol'skiy and
A. M. Samoilenko

RUSSIAN, per, Ukrainskiy Matematicheskiy
Zhurnal, Vol XVII, No 6, 1965, pp 42-59.

ACBI J-5706

ID 2204018768

nas/28FC/ST-10846-69 24fp

Sci-Math

Jan 69

369,515

On Estimates of Solutions of Second-Order
Differential Equations, by M. A. Krasnosol'skiy,
A. Yu. Levin.
RUSSIAN, per, Ukrain Mat Zhur, Vol XVIII,
No 1, 1966, pp 110-116.
*Dept of Navy/APL/JHU J-845

Sci - Phys
Aug 66

M. A. KRASNOSOL'SKIY

On the Powers of the Operator Generated by the
Cauchy Problem for a Second-Order Hyperbolic
Equation, by Yu. B. Orochko.
RUSSIAN, per, Ukrainskii Matematicheskii Zhurnal,
Vol 18, No 4, 1966, pp 34-48.
NTC 71-13695-12A

Handy APL/JHUT-626

Feb 72

The Asymptotic Solution of a System of Linear
Partial Differential Equations, by

N. I. Shkul' 12 pp.

RUSSIAN, per, Ukrainskiy Matematicheskiy
Zhurnal, Vol 18, No 6, 1966, pp 85-96.

P100257568-V

FTD-HT-23-975-67

Sci-Mathematical Sci
Oct 68

366,173

UKRAINSKIY MATEMATICHESKIY ZHURNAL, Vol 18, No 6,
pp 135-140
NTC 70-10530-12A

Eigenfunction Expansion of Selfadjoint
Operators Corresponding to General Elliptic Eigenvalue Problems Under Boundary Conditions, by V. V. Barkovskiy.
RUSSIAN, per, Ukrainskiy Mat Zhurnal,
Vol 19, No 1, 1967, pp 9-24.
Dept of Navy APL/JHU T-2233

Sci-Math
Mar 69

376,343

On the Structure of the Set of Solutions of
Differential Equations With Lagging Argument,
by V. P. Subbotin.

RUSSIAN, per, Ukrain Matemat Zhur, Vol XIX,
No 1, 1967, pp 120-123.

Dept of Navy 5416/APL/JHU J-2009

Sci - Math Sci
Jul 67

326,172

Contribution to the Theory of Perturbed Kepler
Motion of a Material Point in the Presence of
a Small Tangential Force, by A. G. Ilyukhin.
UKRAINIAN, per, Ukrayins'kyy Matematicheskyy
Zhurnal, Vol 19, No 3, 1967, pp 21-28.
NNAA TT F-11,384

Sci-Math
Jan 68

On the Convergence of the Collocation
Method, by M. F. Kaspshitskaya,
N. I. Tukalevskaya.
RUSSIAN, per, Ukr. Mat Zh, Vol 19, No 4,
1967, pp 48-56.
Dept of Navy APL/JHU T-2253

Sci-Math
May 69

380,947

On Analytic and Harmonic Transformations and the
Approximation of Harmonic Functions, by
V. K. Dzyadyk. 35 pp.
UKRAINIAN, per, Ukr Mat Zh, Vol 19, No 5, 1967,
pp 33-57.
NASA TT F-13,115

Sci-Math
Sep 70

UKRAINSKIY MATEMATICHESKIY ZHURNAL
(Ukrainian Mathematical Journal -
bimonthly)
Translation begins with 1968, Vol. 20
Lag time: ca. 6 months
Order from: Plenum Publishing Corporation
227 West 17th Street
New York, N.Y. 10011
1971: \$ 135.00/year
\$ 30.00 single issues
\$ 15.00 single article reprints
add \$ 5.00 on oversea subscription

Quas

Existence Theorem in a Nonlinear Problem
with a Free Boundary, by I. I. Danilyuk.
RUSSIAN, per, Ukr. Mat. Zh., Vol 20, No 1,
1968, pp 25-33.
Dept of Navy APL/JHU T-2206

Sci-Math
Jan 69

372,323

Constructing the Solutions of Almost Diagonal
Systems of Linear Differential Equations Using A
Method that Assures Accelerated Convergence, by
Yu. A. Mitropol'skiy, Ye. P. Belan.
RUSSIAN, ppr, Ukrainskiy Matematicheskiy Zhurnal,
Vol 20, No 2, 1968, pp 166-175.
FTD-S-246 347-68

Jan 69

374,207

Brief Survey of Research on the MEchanics of
Deformable Solids in the Academy of Sciences
of the Ukraine SSR, by G. N. Savin.
RUSSIAN, per, Ukrainskiy Mate Zh, Vol 20, No 2,
1968, Mar-Apr, pp 183-191.
CIA X-6709

August 68

357,524

On One Form of Estimate of the Speed of Convergence to the Normal Law, by Yu. P. Studnev.
RUSSIAN, per, Ukr Mat Zhurnal, Vol 20, No 2,
1968, pp 281-285.
Dept of Navy APL/JHU CLB-3 T-593

Sci-Math
Oct 69

393,319

Stability of Rectangular Sandwich Plates Under
Complex Boundary Conditions, by G. I. Kharkhun.
UKRAINIAN, per, Ukrainskiy Matematicheskiy Zh.
Vol 20, No 3, May-June 1968, pp 418-426.
CIA X-6691

August 68

357,506

A New Approach to the Solution of Non-linear Boundary-value Problems, by
I. V. Beiko, M. P. Beiko.
UKRAINIAN, per, Ukr Mat Zh, Vol 20, No 6,
1968, pp 723-731.
Dept of Navy/APL/JHU T-2287

Sic-Math
Aug 69

388,709

On Stabilization of the Solution of a
Parabolic Boundary-value Problem, by
Ya. S. Kushitskiy.
UKRAINIAN, per, Ukr Mat Zh, Vol 20, No 6,
1968, pp 766-779.
Dept of Navy/APL/JHU T-2290

Sci-Mat
July 69

388,711

The Solution of Non-linear and Linear Ordinary
Differential Quations and Systems of Them by
Means of Power Series, by P. F. Filchakov.
UKRAINIAN, per, Ukr Mat Zh, Vol 12, No 2, 1969,
pp 220-237. 21
Dept of Navy APL/JHU T-2347

Sci-Math
Dec 69

397,429

Difference Equations and Markov Chains, by
V. P. Gatun, A. V. Skorokhod.
UKRAINIAN, per, Ukr Mat Zh, Vol 21, No 3,
1969, pp 305-315.
Dept of Navy APL/JHU T-2348

Sci-Math
Jan 70

398,998

On Convergence to Markov Processes, by
I. I. Gikhman.
UKRAINIAN, per, Ukr Mat Zh, Vol 21, No 3,
1969, pp 316-324.
Dept of Navy APL/JHU T-2350

Sci-Math
Dec 69

397,431

Application of the Laplace Transformation to
the Solution of Linear Differential Equations
With Variable Coefficients, by A. G. Shevelev.
RUSSIAN, per, Ukrainskii Matematicheskii Zhurnal,
Vol 21, 1969, pp 640-652.
NTC 72-14365-12A
NASA TT F-13,045

sci - math
Jan 73

Polynomial Approximation of the Solution to a Nonlinear
Equation, by A. A. Martynyuk.

RUSSIAN, per, Ukrainskiy Matematicheskiy Zhurnal,
Vol 22, No 4, 1970, pp 557-563.

*FSTC-HT-23-0660-72

Nov 71

AVERAGING IN STOCHASTIC SYSTEMS

MITROPOL'SKIY Y LANGUAGE=RU COUNTRY=UR

UKRAINSKIY MATEMATICHESKIY ZHURNAL VOL 23 =3,
1971 NAUKOVA DUMKA, KIEV PP 318-45

FSTC-HT-23-2284-72